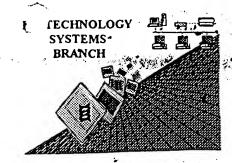
1945 CO

## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	. 09	17627	124	
Source:	ρ	CT09		/
Date Processed by STIC:	0	9/24	101	·

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 c-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 c-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## **Checker Version 3.0**

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

## PCT09

DATE: 09/24/2001

TIME: 15:58:37

Output Set: N:\CRF3\09242001\I762224.raw 1 PUR-115:JJS:133252 5 <110> APPLICANT: Sanders, David A. Kuhn, Richard John 6 **Does Not Comply** 7 Jeffers, Scott A. Corrected Diskette Needed Sharkey, Curtis Matthew q North, Cynthia Lin Fishbach, Michael A. 12 <120> TITLE OF INVENTION: PSEUDOTYPED RETROVIRUSES AND STABLE CELL LINES FOR THEIR PRODUCTION 14 <130> FILE REFERENCE: 7024-497/PUR-115 Errored: 16 <140> CURRENT APPLICATION NUMBER: US 09/762,224 Field 211 Indicates 2176 nucleotides. Found 2224. 18 <141> CURRENT FILING DATE: 2001-02-02 20 <150> PRIOR APPLICATION NUMBER: PCT/US99/17702 22 <151> PRIOR FILING DATE: 1999-08-04 24 <150> PRIOR APPLICATION NUMBER: U.S. 60/095,242 26 <151> PRIOR FILING DATE: 1998-08-04 28 <150> PRIOR APPLICATION NUMBER: U.S. 60/112,405 30 <151> PRIOR FILING DATE: 1998-12-15 32 <160> NUMBER OF SEQ ID NOS: 3 Errored from line 372 - Integer end total ordicates 757 nucleotides. There are 727 nucleotides at the end of line 368 and 48 nucleotides in line 759. 34 <170> SOFTWARE: Microsoft Word 97 ERRORED SEQUENCES 301 <210> SEQ ID NO: 2 48 + 727 = 775 + 757 There fore your end total is 2176 + 48 = 2224 nucleo todas 305 <212> TYPE: DNA 307 <213> ORGANISM: Filovirus Ebola virus, subtype Zaire 309 <400> SEQUENCE: 2 312 caacaacaca atg ggc gtt aca gga ata ttg cag tta cct cgt gat cga ttc aag 55 313 Met Gly Val Thr Gly Ile Leu Gln Leu Pro Arg Asp Arg Phe Lys 316 agg aca tca ttc ttt ctt tgg gta att atc ctt ttc caa aga aca ttt 103 317 Arg Thr Ser Phe Phe Leu Trp Val Ile Ile Leu Phe Gln Arg Thr Phe 318 320 tee ate eea ett gga gte ate eac aat age aca tta eag gtt agt gat 151 321 Ser Ile Pro Leu Gly Val Ile His Asn Ser Thr Leu Gln Val Ser Asp 324 gtc gac aaa cta gtt tgt cgt gac aaa ctg tca tcc aca aat caa ttg 199 325 Val Asp Lys Leu Val Cys Arg Asp Lys Leu Ser Ser Thr Asn Gln Leu 328 aga tea gtt gga etg aat ete gaa ggg aat gga gtg gea aet gae gtg 247 329 Arg Ser Val Gly Leu Asn Leu Glu Gly Asn Gly Val Ala Thr Asp Val 70 332 cca tet gca act aaa aga tgg ggc ttc agg tcc ggt gtc cca cca aag 333 Pro Ser Ala Thr Lys Arg Trp Gly Phe Arg Ser Gly Val Pro Pro Lys

336 gtg gtc aat tat gaa gct ggt gaa tgg gct gaa aac tgc tac aat ctt

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/762,224

Input Set : A:\Seq List-Pur-115.txt

343

RAW SEQUENCE LISTING

þ

DATE: 09/24/2001 PATENT APPLICATION: US/09/762,224 TIME: 15:58:37

Input Set : A:\Seq List-Pur-115.txt
Output Set: N:\CRF3\09242001\I762224.raw

		Val	Val	Asn	Tyr		Ala	Gly	Glu	${\tt Trp}$	Ala	Glu	Asn	Cys	$\mathtt{Tyr}$	Asn	Leu			
	338					100					105					110				
			atc																391	
		GLu	Ile	гÃг		Pro	Asp	GTA	ser		Cys	Leu	Pro	Ата		Pro	Asp			
	342				115	++~		- <del>-</del> -		120	نند				125	<b>.</b>			420	
			att																439	
	345	СТУ	Ile	130	СТУ	PHE	PIU	Arg	135	AIG	тут	vai	HIS	LуS 140	val	ser	СТА			
		aca	gga		tat	acc	σσα	gac		acc	ttc	cat	222		aat	act	ttc		487	
*			Gly																407	
	350	1111	145	110	CID		011	150	1 110		1 110	1113	155	Olu	011	*****	1 110	•		
		ttc	ctg	tat	gat	cqa	ctt		tcc	aca	att	atc		cga	qqa	acq	act		535	
			Leu								-			_		_				
		160		•	•		165					170	-	,	•		175			
	356	ttc	gct	gaa	ggt	gtc	gtt	gca	ttt	ctg	ata	ctg	ccc	caa	gct	aag	aag		583	
			Ala															•		
	358					180					185					190				
			ttc																631	
		Asp	Phe	Phe		Ser	His	Pro	Leu	Arg	Glu	Pro	Val	Asn	Ala	Thr	Glu			
	362		•		195					200					205					
			ccg																679	
		Asp	Pro		Ser	GLy	Tyr	Tyr		Thr	Thr	Ile	Arg		Gln	Ala	Thr			
	366			210					215					220					707	
			ttt																727	
	370	СТА	Phe 225	GIŸ	THE	ASII	GIU	230	GIU	туг	ьeu	Pne	235	vaı	Asp	Asn	Leu		+48	,
E>		200		ata	<b>722</b>	att	as s	-	242	++~	3.03	002		+++	a+ <i>a</i>	ata	a 2 a		(757) 779	
F)>			Tyr																(13)	
	374		-1-	,	0111	Lou	245	DCI	9	1 110	1111	250	OIII	LIIC	пса	ЦСи	255			
E>			aat	gag	aca	ata		aca	agt	aaa	aaa		agc	aat	acc	acq			775	
			Asn																•	
	378					260	_			-	265	_				270.	_			
E>	380	aaa	cta	att	tgg	aag	gtc	aac	ccc	gaa	att	gat	aca	aca	atc	ggg	gag		823	
	381	Lys	Leu	Ile	Trp	Lys	Val	Asn	${\tt Pro}$	Glu	Ile	Asp	Thr	Thr	Ile	Gly	Glu			
	382				275					280					285					
E>																			871	
		Trp	Ala		Trp	Glu	Thr	Lys		Asn	Leu	Thr	Arg	_	Ile	Arg	Ser			
<u>-</u>	386			290					295			•		300						
E>																			919	
		GIU	Glu	Leu	ser	Pne	THE		vaı	ser	ASN	GLY		гàг	Asn	ire	ser			
E>	390	aat	305	a 4 +	000	<b>a</b> aa	993	310	+a+	+ a a	<i>~~~</i>	~~~	315	200	224				067	
E/			Gln																967	
	394		O T II	JUL	110	лти	325	T 111	DGT	OGI	voh	330	GTÄ	+ 11T	นอแ	TIIT	335			
E>			σаа	gac	cac	aaa		ato	act	tca	gaa		tac	tct	aca	atσ			1015	
_ ′			Glu																	
	398			E		340					345					350	. ~ _			
E>		caa	gtg	cac	agt		gga	agg	gaa	gct		gtg	tcg	cat	cta		acc		1063	
			Val																	
					•		-	-												

RAW SEQUENCE LISTING DATE: 09/24/2001 PATENT APPLICATION: US/09/762,224 TIME: 15:58:37

Input Set : A:\Seq List-Pur-115.txt
Output Set: N:\CRF3\09242001\1762224.raw

	402				355					360					365				
E>	404	ctt	gcc	aca	atc	tcc	acg	agt	ccc	caa	tcc	ctc	aca	acc	aaa	cca	ggt		1111
	405	Leu	Ala	Thr	Ile	Ser	Thr	Ser	Pro	Gln	Ser	Leu	Thr	Thr	Lys	Pro	Gly		
	406			370					375					380					
E>																			1159
		Pro		Asn	Ser	Thr	His		Thr	Pro	Val	Tyr	_	Leu	Asp	Ile	Ser		
	410		385					390					395						
E>			_			_	_				_	_		_		-	_		1207
			Ala	Thr	Gln	Val	Glu	Gln	His	His	Arg	_	Thr	Asp	Asn	Asp			
		400					405					410					415		
E>																			1255
		Thr	Ala	Ser	Asp		Pro	Ser	Ala	Thr		Ala	Ala	GLy	Pro		Lys		
	418					420					425			_ •		430			1202
E>																			1303
	421	Ата	GIU	ASII	435	ASII	Thr	ser	rys	440	THE	ASP	Pne	Leu	445	Pro	Ala		
ь .								224	~~~										1251
E>							Gln												1351
	425	1111	1111	450	Ser	PIU	GIII		455	Ser	GIU	1111	нта	460	ASII	ASII	ASII		
E>		act	cat		<b>C22</b>	ant.	200			as a	a ort	<b>a</b> aa	200		aaa	224	a+ >		1399
E/							Thr												1333
	430	1111	465	111.5	OIII	NSP	1111	470	OIU	Olu	Jei	AIU	475	Der	GLY	цуз	цец		
E>		aac		att	acc	aat	act		act.	gga	atc	αca		cta	atc	aca	ggc		1447
							Thr		_		_	_		_					
W>							490			1		495	~- <u>1</u>				500		
E>	436	aga	aga	aga	act	cqa		qaa	qca	att	atc		act	caa	ccc	aaa			1495
			_	_		_	Arg	_	_		_		_				_		
W>		-	_	-		505	_				510					515	• .		
E>	440	aac	cct	aat	tta	cat	tac	tgg	act	act	cag	gat	gaa	ggt	gct	gca	atc		1543
	441	Asn	Pro	Asn	Leu	His	Tyr	Trp	Thr	Thr	Gln	Asp	Glu	Gly	Ala	Ala	Ile		
M>	442				520					525					530				
E>	444	gga	ctg	gcc	tgg	ata	cca	tat	ttc	ggg	cca	gca	gcc	gag	gga	att	tac		1591
	445	Gly	Leu	Ala	Trp	Ile	Pro	Tyr	Phe	Gly	${\tt Pro}$	Ala	Ala	Glu	Gly	Ile	Tyr		
M>				535					540					545					
E>																			1639
		Ile		Gly	Leu	Met	His		Gln	Asp	Gly	Leu		Cys	Gly	Leu	Arg		
M>			550					555					560						
.E>																			1687
				Ата	Asn	GIU	Thr									_			
W>																			1725
E>																			1735
W>		1111	1111	GIU	Leu	585	Thr	Pile	ser	116		ASII	AIG	гуѕ	Ата		ASP	·	
		tta	++~	ata	C 2 C		+~~	~~	~~~	202	590 tac	~~~	2++	a+~	<i>aa</i>	595	~~~		1783
E>							Trp												1/03
W>		r 116	_cu	iii cu	600	лту	11P	ЭТА	эту	605	Cys	итэ	TTE	ьeu	610	FIO	vəħ		
E>		tac	tat	atc		cca	cat	gat	taa		аап	aac	ata	aca		222	att		1831
_ ′							His												1031
W>		- 4 -	-1-	615				F	620		-1-	<b></b> -		625	F	-10			
•									- <b></b>										

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/762,224

DATE: 09/24/2001 TIME: 15:58:37

Input Set : A:\Seq List-Pur-115.txt
Output Set: N:\CRF3\09242001\I762224.raw

E>		_	<b>cag</b> Gln				_		_	_				_	-	_		1879
W>	470		630					635					640					
E>	472	gac	aat	gac	aat	tgg	tgg	aca	gga	tgg	aga	caa	tgg	ata	ccg	gca	ggt	1927
	473	Asp	Asn	Asp	Asn	Trp	Trp	Thr	Gly	Trp	Arg	Gln	Trp	Ile	Pro	Ala	Gly	
W>	474	645					650					655					660	
E>	476	att	gga	gtt	aca	ggc	gtt	ata	att	gca	gtt	atc	gct	tta	ttc	tgt	ata	1975
	477	Ile	Gly	Val	Thr	Gly	Val	Ile	Ile	Ala	Val	Ile	Ala	Leu	Phe	Cys	Ile	
W>	478					665					670					675		
E>	480	tgc	aaa	ttt	gtc	ttt	tag	tttt	tctt	ca g	gatte	gctto	a to	ggaaa	aagc	t cag	gcctcaaa	2033
	481	Cys	Lys	Phe	Val	Phe												
W>	482				680													
E>	484	tcaa	atgaa	aac d	cagga	attta	aa ti	atat	ggat	tac	cttga	aatc	taag	gatta	act 1	tgaca	aatga	2093
E>	486	taat	tataa	ata d	cacto	ggago	et ti	aaad	catag	J CC	aatgi	tgat	tcta	aacto	cct 1	ttaaa	actcac	2153
E>	488	agti	taato	cat a	aaaca	aaggt	t E	Ja )										2176

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/762,224

DATE: 09/24/2001 TIME: 15:58:38

Input Set : A:\Seq List-Pur-115.txt
Output Set: N:\CRF3\09242001\I762224.raw

```
L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
 L:372 M:254 E: No. of Bases conflict, LENGTH:Input:757 Counted:775 SEQ:2
 M:254 Repeated in SeqNo=2
 L:384 M:112 C: (48) String data converted to lower case,
L:434 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
 L:438 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:442 M:336 W: Invalid Amino Acid Number in Coding Region, SEO ID:2
L:446 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:450 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:454 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:458 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:462 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:466 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:470 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:474 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:478 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:482 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:488 M:252 E: No. of Seq. differs, <211>LENGTH:Input(2176) Found(2224 SEQ:2
L:544 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:548 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:552 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:556 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:560 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:564 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:568 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:572 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:576 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:580 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:584 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:588 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:592 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:596 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:600 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:604 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:608 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:612 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:616 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:620 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
·L:624 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:628 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:632 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:636 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:640 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:644 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:648 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:652 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:656 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:660 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/762,224

DATE: 09/24/2001

TIME: 15:58:38

Input Set : A:\Seq List-Pur-115.txt

Output Set: N:\CRF3\09242001\I762224.raw

L:664 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3 L:668 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3 L:672 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3